## ABSTRACT OF THE DISCLOSURE

于78年的1886年,全**期间发现了清楚**国际的对象对于1000

(Film Bulk Acoustic Resonator) FBAR device and a method for producing the same. The FBAR device substrate structure provided with surface, a seed layer formed on the upper surface of the substrate structure and made of one selected from gold (Au) and titanium (Ti), and one or more acoustic resonant portions. Each of the acoustic resonant portions includes a lower 10 electrode film formed on the seed layer and made of molybdenum (Mo), a piezoelectric layer formed on the lower electrode film and made of aluminum nitride (AlN), and an upper electrode film formed on the piezoelectric layer. In the FBAR device, the Mo lower electrode film is formed on the seed layer made 15 of Au or Ti, thus improving the electrode film characteristics (resistivity) and having the smooth surface state and highdensity structure. Further, the FBAR device of the present invention has an excellent preference for (110) orientation, thus allowing the AIN piezoelectric layer formed on the lower electrode film to have (002) orientation with excellent piezoelectric characteristics. Accordingly, it is possible to improve the resonance characteristics of the FBAR device.

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